

Xinmeng Li

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🌐 <http://xinmengli.github.io>



Professional summary

PhD Candidate in Computer Science Interested in Deep Learning and Data Analysis.

Education

Tufts University, Massachusetts, US

Ph.D. in Computer Science

Expected May 2020

M.S. in Computer Science

2017

Sichuan University, Sichuan, CH

B.Eng. in Computer Science

2015

Research & Projects

Tufts University, Develop in Python, Tensorflow

ASAP, Design **Antibody Sequence Analysis Pipeline** to identify salient features

Pathway Enrichment, Identify active biological pathway in metabolic network

MetGAN, Identify **Metabolites** with MSMS data based on **GAN** network

VGG on Fashion, Implement **VGG-19** network to classify runway image

Sichuan University, Develop in C++

Volume Measurement, Measure volume of massive material with image features

Teaching Experience

Tufts University, Teaching Assistant

Evaluate students on experiments, homework and projects

Assist instructor to prepare for classes and conduct laboratory

Courses

Take Machine Learning, Deep Learning, Algorithms, Computational Biology, System Biology

TA Bayesian Deep Learning, Artificial Intelligence, Bioinformatics, Introduction to CS

Publication & Presentation

Poster **Li X**, Van Deventer J, Hassoun S. "Towards the Design of Matrix Metalloproteinases (MMP) Antibody Sequences." In Proceedings of the 8th ACM International Conference on Bioinformatics, Computational Biology, and Health Informatics (pp. 624-624). ACM.

Paper Hu R, Wang Y, Yang M, **Li X**, Luo Z, Li G. "Improved Analysis of Inorganic Coal Properties Based on Near-infrared Reflectance Spectroscopy." Analytical Methods. 2015;7(12):5282-8.

Copyright **Li X**, Liu L. "Volume Measurement System of Massive Material Based on Aerial Photography." Chinese Software Copyright. 2014SR096344(30100-0000).

Awards

2016 The Kerk and Janelle Loevner Graduate Fellowship

2014 The Lixin Tang Fellowship